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Appl. No. 09/998,895
Amdt. dated September 2, 2009
Reply to Final Office Action of April 2, 2009

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method for using workflows to perform a task, the method comprising:
 - associating each workflow of a plurality of workflows with one or more a corresponding domain of a plurality of domains in an identity system, each domain of said plurality of domains comprising one or more entities and each workflow of said plurality of workflows using different predefined set of steps to perform the task;
 - receiving a request to perform [[a]] said task that affects at least one identity profile associated with an entity in said identity system;
 - determining from said ~~one or more~~ plurality of domains, a domain that includes said entity with which said at least one identity profile is associated;
 - determining [[a]] from said plurality set of workflows, a workflow associated with said domain and capable of performing said task;
 - ~~outputting said set of workflows to a user;~~
 - ~~receiving from said user a selection of a first workflow from said set of workflows; and~~
 - performing said ~~first workflow~~ for said task; ~~wherein:~~
 - wherein said performing comprises executing said predefined set of steps of said workflow to perform said task; and
 - said request includes an identification of said at least one identity profile.
2. (Currently Amended) A method according to claim 1, wherein:
 - said step of associating includes associating said ~~first~~ workflow with said domain,
 - said step of associating said ~~first~~ workflow includes choosing a first entry in said data structure,

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said data structure is a hierarchical data structure of entities in said identity system, said domain includes said first entry and entries below said first entry.

3. - 4. (Canceled)

5. (Currently Amended) A method according to claim 1, wherein:
said ~~request~~ task is a ~~request~~ task to delete said at least one identity profile.

6. (Currently Amended) A method according to claim 1, wherein:
said ~~request~~ task is a ~~request~~ task to modify said at least one identity profile.

7. - 8. (Canceled)

9. (Original) A method according to claim 1, wherein:
said steps of associating, receiving and performing are performed by an integrated identity and access system.

10. (Original) A method according to claim 1, wherein:
said request is for self-registration.

11. (Currently Amended) A method according to claim 1, wherein:
said request is from a parent workflow; and
said ~~first~~ workflow is a sub-workflow to said parent workflow.

12. (Canceled)

13. (Previously Presented) A method according to claim 2, wherein:
said hierarchical data structure includes an LDAP directory.

14. (Currently Amended) One or more processor readable storage devices storing plurality of instructions causing a processor to use workflows for performing ~~tasks~~ a task, said plurality of instructions comprising code for:

associating each workflow of a plurality of workflows with ~~one or more a~~
corresponding domain of a plurality of domains in an identity system, each domain of said

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plurality of domains comprising one or more entities and each workflow of said plurality of workflows using different predefined set of steps to perform the task;

receiving a request to perform [[a]] said task that affects at least one identity profile associated with an entity in said identity system;

determining from said ~~one or more~~ plurality of domains, a domain that includes said entity with which said at least one identity profile is associated;

determining [[a]] from said plurality set of workflows, a workflow associated with said domain and capable of performing said task;

~~outputting said set of workflows to a user;~~

~~receiving from said user a selection of a first workflow from said set of workflows; and~~

performing said ~~first~~ workflow for said task; ~~wherein~~

wherein said performing comprises executing said predefined set of steps of said workflow to perform said task; and

said request includes an identification of said at least one identity profile.

15. (Currently Amended) One or more processor readable storage devices according to claim 14, wherein:

said step of associating includes associating said ~~first~~ workflow with said domain, said step of associating said ~~first~~ workflow includes choosing a first entry in said data structure, said data structure is a hierarchical data structure of entities in said identity system, said domain includes said first entry and entries below said first entry.

16.-19. (Canceled)

20. (Original) One or more processor readable storage devices according to claim 14, wherein:

said steps of associating, receiving and performing are performed by an integrated identity and access system.

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21. (Original) One or more processor readable storage devices according to claim 14, wherein:

said request is from a parent workflow; and
said first workflow is a sub-workflow to said parent workflow.

22. (Canceled)

23. (Previously Presented) One or more processor readable storage devices according to claim 15, wherein:

said hierarchical data structure includes an LDAP directory.

24. (Currently Amended) An apparatus that uses workflows to perform a task, comprising:

a communication interface;

one or more processors in communication with said communication interface,
said one or more processors perform a method comprising the steps of:

associating each workflow of a plurality of workflows with one or more a corresponding domain of a plurality of domains in an identity system, each domain of said plurality of domains comprising one or more entities and each workflow of said plurality of workflows using different predefined set of steps to perform the task;

receiving a request to perform [[a]] said task that affects at least one identity profile associated with an entity in said identity system;

determining from said one or more plurality of domains, a domain that includes said entity with which said at least one identity profile is associated;

determining [[a]] from said plurality set of workflows, a workflow associated with said domain and capable of performing said task;

~~outputting said set of workflows to a user;~~

~~receiving from said user a selection of a first workflow from said set of workflows; and~~

performing said ~~first~~ workflow for said task; wherein:

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wherein said performing comprises executing said predefined set of steps of said workflow to perform said task; and

said request includes an identification of said at least one identity profile.

25. (Currently Amended) An apparatus according to claim 24, wherein:
said step of associating includes associating said ~~first~~ workflow with said domain, said step of associating said ~~first~~ workflow includes choosing a first entry in a data structure, said data structure is a hierarchical data structure of entities in the identity system, said ~~first~~ domain includes said first entry and entries below said first entry.

26-29. (Canceled)

30. (Original) An apparatus according to claim 24, wherein:
said one or more processors are part of an integrated identity and access system.

31. (Original) An apparatus according to claim 24, wherein:
said request is from a parent workflow; and
said first workflow is a sub-workflow to said parent workflow.

32. (Canceled)

33. (Previously Presented) An apparatus according to claim 25, wherein:
said hierarchical data structure includes an LDAP directory.

34. (Previously Presented) A method according to claim 1, wherein said task comprises managing said at least one identity profile.

35. (Previously Presented) A method according to claim 34, wherein
managing said at least one identity profile comprises one or more tasks selected from: creating a user, deleting a user, changing a user attribute, creating a group, deleting a group, and changing a group attribute.

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36. (Previously Presented) A method according to claim 34, wherein managing said at least one identity profile comprises managing a certificate associated with said at least one identity profile.

37.-40. (Canceled)

41. (Currently Amended) The method of claim 1, wherein ~~said first workflow comprises a predefined set of steps and~~ performing said one or more steps of said ~~first~~ workflow affects said at least one identity profile by modifying one or more attributes of said at least one identity profile said modifying including deleting said at least one identity profile.

42.-43. (Canceled).

44. (Previously Presented) The method of claim 41, wherein said predefined set of steps comprising a first step and a second step;
said first step is performed by a first program;
said second step is performed by a second program;
information is passed between said first program and said second program according to a defined set of rules; at least one of said first program and said second program is external to the workflow and wherein said second program performs a second workflow to modify one or more attributes of the at least one identity profile.

45. (Currently Amended) The method of claim 44, wherein said second program is identified in an event catalog of said ~~first~~ workflow.

46. (Previously Presented) The method of claim 45, wherein the event catalog further identifies one or more parameters for passing information between the first program and the second program.

47. (Currently Amended) The method of claim ~~[[1]]~~ 54, wherein ~~identifying~~ said determining said set of workflows that perform said task and are associated with said domain that includes said entity with which said at least one identity profile is associated, further

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comprises identifying workflows of said set of workflows for which a user issuing said request to perform said task is authorized.

48. (Previously Presented) The method of claim 47, wherein said at least one identity profile is a static member of a group.

49. (Previously Presented) The method of claim 48, wherein said at least one identity profile is identified as a static member of said group based on a group identity profile for said group.

50. (Previously Presented) The method of claim 47, wherein said at least one identity profile is a dynamic member of a group.

51. (Previously Presented) The method of claim 50, wherein said at least one identity profile is identified as a dynamic member of said group based on application of a rule defined by a group identity profile for said group.

52. (Previously Presented) The method of claim 47, wherein said at least one identity profile is a nested member of a group.

53. (Canceled)

54. (New) The computer-implemented method of claim 1, wherein:
said determining from said plurality of workflows, determines a set of workflows associated with said domain and capable of performing said task;
said method further comprising:
outputting said set of workflows to a user;
receiving from said user a selection of a first workflow from said set of workflows; and
performing said first workflow for said task.